

Part 573 Safety Recall Report**14V-582****Manufacturer Name :** Nissan North America, Inc.**Submission Date :** SEP 19,2014**NHTSA Recall No. :** 14V-582**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Nissan North America, Inc.

Address : P. O. BOX 685001

Franklin TN 37068-5009

Company phone : (999) 999-9999

Population :

Number of potentially involved : 817

Estimated percentage with defect : 0

Vehicle Information :

Vehicle : 2014-2014 Infiniti Q50 Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Certain 2014 Model Year Infiniti Q50 and Q70 Hybrid vehicles.

Descriptive Information : No other Infiniti (or Nissan) vehicles are affected by this issue because the manufacturing handling process was unique to the subject automatic transmission housing for these models during the above manufacturing period.

Production Dates : OCT 16, 2013 - JAN 27, 2014

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

☐ Not sequential VINs

Vehicle : 2014-2014 Infiniti Q70 Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Certain 2014 Model Year Infiniti Q50 and Q70 Hybrid vehicles.

Descriptive Information : No other Infiniti (or Nissan) vehicles are affected by this issue because the manufacturing handling process (described in Section 5 below) was unique to the subject automatic transmission housing for these models during the above manufacturing period.

Production Dates : NOV 07, 2013 - DEC 10, 2013

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

☐ Not sequential VINs

Description of Defect :

Description of the Defect : Due to a supplier process issue that has since been corrected, a small number of Q50 and Q70 Hybrid vehicles have automatic transmission housings that may have been damaged during the die removal process. More specifically, there may be a crack in the front portion of the transmission housing.

Description of the Safety Risk : Over time, this crack may propagate and could eventually result in transmission housing fracture without significant warning to the driver, which could produce on-road debris and thus increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Jatco, Ltd.

Address : 700-1, Imaizumi, Fuji City
Shizuoka, 417-8585, Japan

Country : NR

Chronology :

Late May 2014 – Nissan was notified by its transmission supplier that the supplier had identified 4 transmission housings within its manufacturing facility in which there were small cracks in the front of the transmission housing. An investigation was launched to determine whether there was any transmissions with such cracks had been installed in Nissan vehicles and the effect that a housing crack similar to the ones identified by the supplier may have on vehicle performance.

June to August 2014 – Nissan investigated whether any incidents had occurred in the U.S. market that were attributable to this issue and none were identified. Nissan also assessed whether a small transmission housing crack identified by the supplier could affect vehicle safety and drivability.

During this time, the supplier also confirmed that there was some outflow of affected parts. The supplier also confirmed the source of the crack was related to the die removal process and that if a crack was not created at that time, there was no risk of a crack developing in the future.

It was determined that the issue would not result in immediate transmission failure. However, based on stress analysis result around initial crack area with dynamic bench testing, Nissan concluded that if the vehicle is driven at sustained speeds over 90 mph, then the crack could propagate, potentially resulting in fracture of the transmission housing without significant warning to the driver. If this occurred, it could produce on-road debris.

No customer complaints, injuries or accidents have been reported as a result of this issue.

September 16, 2014 - Nissan determined that a safety related defect exists and that a recall campaign should be conducted.

Description of Remedy :

Description of Remedy Program : The transmission housing will be inspected for cracks and if a crack is detected, the transmission assembly will be replaced with a new one at no charge for parts and labor.

We will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy as the subject vehicles are under warranty.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Owners of all potentially affected vehicles will be notified within 60 days to take their vehicle to an Infiniti retailer.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported